

CRF Errors Corrected by the STIC Systems Branch

2510
0503 OIPE

Serial Numbr: 09/887,552A

CRF Processing Date:

5/22/2002

Edited by:

Verified by:

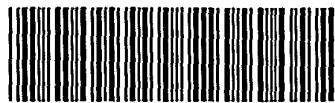
(STIC staff) #8

ENTERED

 Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____ Other:

*Examiner: The above corrections must be communicated to the applicant in the first Official Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/887,552A

DATE: 05/22/2002
TIME: 17:15:50

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05222002\I887552A.raw

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4 <110> APPLICANT: Brennan, Thomas J.
5           Leviten, Michael W.
7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CERBERUS GENE
8   DISRUPTIONS
10 <130> FILE REFERENCE: R-67
12 <140> CURRENT APPLICATION NUMBER: US 09/887,552A
13 <141> CURRENT FILING DATE: 2001-06-21
15 <150> PRIOR APPLICATION NUMBER: US 60/213,670
16 <151> PRIOR FILING DATE: 2000-06-21
18 <150> PRIOR APPLICATION NUMBER: US 60/266,046
19 <151> PRIOR FILING DATE: 2001-02-01
21 <150> PRIOR APPLICATION NUMBER: US 60/282,668
22 <151> PRIOR FILING DATE: 2001-04-09
24 <160> NUMBER OF SEQ ID NOS: 4
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 1752
30 <212> TYPE: DNA
31 <213> ORGANISM: Mus musculus
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: 1235, 1313
36 <223> OTHER INFORMATION: n = A,T,C or G
38 <400> SEQUENCE: 1
39 gggggggggg ggggtcagag ggagctttct tttaggcccg tccatctgtg aatctaacct 60
40 cagtttctgg gaatcaggaa gcatgcacatct cctcttagtt cagctgcttg ttctcttgcc 120
41 tctggggaaag gcagacctat gtgtggatgg ctgcacaggt cagggcttctt tatcccttcc 180
42 tctccttagaa aggggtcgca gagatctcca cgtggccaac cacgaggagg cagaagacaa 240
43 gccggatctg tttgtggccg tgccacacct catgggcacc agcctggctg gggaaaggcca 300
44 gaggcagaga gggaaagatgc tgtccaggtt tggaagattc tggaagaaaac ctgagaccga 360
45 attttacccc ccaagggatg tggaaagcga tcatacttca tcggggatgc aggccgtgac 420
46 tcagccagca gatgggagga aagtggagag atcacctcta caggaggaag ccaagaggta 480
47 ctggcatcgg ttcatgttca gaaagggccc ggcgttccag ggagtcatcc tgccccatcaa 540
48 aagccacgaa gtacactggg agacctgcag gactgtgccc ttcaaccaga ccattgccc 600
49 tgaagactgt caaaaagtgc ttgtccagaa caaccttgc ttggcaaat gcagttccat 660
50 tcgtttccc ggagaagggg cagatgccca cagttctgc tcccactgtc cgcccaccaa 720
51 attcaccacc gtgcacttga tgctgaactg caccagccca accccccgtgg tcaagatgg 780
52 gatgcaagta gaagagtgta agtgcacgtt gaagacggaa cgtggagagg agcgccctcct 840
53 actggcttgtt tcccagggtt ctttcattccc tggacttcca gcttcaaaaa caaaccatg 900
54 aattacctca acagaaaagca aaacctcaac agaataagtg agggttatcc aatctggaaa 960
55 ttttatgtga gttatataaa gatcagtgaa aaatatctt ctctctccct ctctccctt 1020
56 ctctcttc tctatttctt ctctctctt ctctctctt ctctctctt ctctctca 1080
57 cacacacaca cacacacaca catgtttgtg tttagacagg gtcttatgt 1140

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/887,552A

DATE: 05/22/2002
TIME: 17:15:50

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05222002\I887552A.raw

58 ttctcagctg gcctcaaact cacaatgtgg ctggggatga ttttaaactc ctgatccat 1200
 59 tcctgagtgc tggattaca gacatgctcc ataanacata gctcccagaa ggattttaa 1260
 60 aagagattt gcatgttca aagttgcctt tgagactcg aaatattttg atntattgaa 1320
 61 tggccttgc acagatgtgg gaggcagctt gcttggtggc ccaagtattt ttttttgg 1380
 62 cgttcagaat tctcacatg aagttttac tgttggttat ctggcgttga agaaggaata 1440
 63 gtgaaggtagt tttaacagt ttacacgtgg aaggggctca ggcacttagga accaacctt 1500
 64 tccccgaaata tgaggaaaat acatgaacag tattagagtc acttgaggaa gttacttagga 1560
 65 aacgccataa gtctccaagt acattgtgag tcattttgaa gacaatcggt gtatataagac 1620
 66 gaaatcttct actcgatgc ttttgaatct tctagcaagt taggtttcta tgtttggct 1680
 67 tcttccttatt gtctaagagt atgtgtgaca aattcaacct gacaaatacc tcaatggcaa 1740
 68 attctgaccc tg 1752
 70 <210> SEQ ID NO: 2
 71 <211> LENGTH: 272
 72 <212> TYPE: PRT
 73 <213> ORGANISM: Mus musculus
 75 <400> SEQUENCE: 2
 76 Met His Leu Leu Leu Val Gln Leu Leu Val Leu Leu Pro Leu Gly Lys
 77 1 5 10 15
 78 Ala Asp Leu Cys Val Asp Gly Cys Gln Ser Gln Gly Ser Leu Ser Phe
 79 20 25 30
 80 Pro Leu Leu Glu Arg Gly Arg Arg Asp Leu His Val Ala Asn His Glu
 81 35 40 45
 82 Glu Ala Glu Asp Lys Pro Asp Leu Phe Val Ala Val Pro His Leu Met
 83 50 55 60
 84 Gly Thr Ser Leu Ala Gly Glu Gly Gln Arg Gln Arg Gly Lys Met Leu
 85 65 70 75 80
 86 Ser Arg Leu Gly Arg Phe Trp Lys Lys Pro Glu Thr Glu Phe Tyr Pro
 87 85 90 95
 88 Pro Arg Asp Val Glu Ser Asp His Val Ser Ser Gly Met Gln Ala Val
 89 100 105 110
 90 Thr Gln Pro Ala Asp Gly Arg Lys Val Glu Arg Ser Pro Leu Gln Glu
 91 115 120 125
 92 Glu Ala Lys Arg Phe Trp His Arg Phe Met Phe Arg Lys Gly Ala Pro
 93 130 135 140
 94 Phe Gln Gly Val Ile Leu Pro Ile Lys Ser His Glu Val His Trp Glu
 95 145 150 155 160
 96 Thr Cys Arg Thr Val Pro Phe Asn Gln Thr Ile Ala His Glu Asp Cys
 97 165 170 175
 98 Gln Lys Val Val Val Gln Asn Asn Leu Cys Phe Gly Lys Cys Ser Ser
 99 180 185 190
 100 Ile Arg Phe Pro Gly Glu Gly Ala Asp Ala His Ser Phe Cys Ser His
 101 195 200 205
 102 Cys Ser Pro Thr Lys Phe Thr Thr Val His Leu Met Leu Asn Cys Thr
 103 210 215 220
 104 Ser Pro Thr Pro Val Val Lys Met Val Met Gln Val Glu Glu Cys Gln
 105 225 230 235 240
 106 Cys Met Val Lys Thr Glu Arg Gly Glu Glu Arg Leu Leu Leu Ala Gly
 107 245 250 255
 108 Ser Gln Gly Ser Phe Ile Pro Gly Leu Pro Ala Ser Lys Thr Asn Pro

RAW SEQUENCE LISTING DATE: 05/22/2002
PATENT APPLICATION: US/09/887,552A TIME: 17:15:50

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05222002\I887552A.raw

109	260	265	270
112 <210> SEQ ID NO: 3			
113 <211> LENGTH: 200			
114 <212> TYPE: DNA			
115 <213> ORGANISM: Artificial Sequence			
117 <220> FEATURE:			
118 <223> OTHER INFORMATION: Targeting vector			
120 <400> SEQUENCE: 3			
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122 cagctgcttg ttctcttgcc tctggggaaag gcagacctat gtgtggatgg ctgccagagt	120		
123 cagggctt tattttcc tctcccagaa aggggtcgca gagatctcca cgtggccaac	180		
124 cacgaggagg cagaagacaa	200		
126 <210> SEQ ID NO: 4			
127 <211> LENGTH: 200			
128 <212> TYPE: DNA			
129 <213> ORGANISM: Artificial Sequence			
131 <220> FEATURE:			
132 <223> OTHER INFORMATION: Targeting vector			
134 <400> SEQUENCE: 4			
135 cctgcccattc aaaagccacg aagtacactg ggagacctgc aggactgtgc cttcaacca	60		
136 ggtatgcatt ctagaggta aaccaccagt ttgccagaca gggaggacag ctggacagct	120		
137 aggacaaacg gaaaaataga aagagtctgg cgagagctcg ggccttgtct agttccagat	180		
138 tcagtcctt ggtattcat	200		

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/22/2002
PATENT APPLICATION: US/09/887,552A TIME: 17:15:51

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05222002\I887552A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1235,1313



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/887,552A

DATE: 05/13/2002
TIME: 16:48:26

Input Set : A:\R-67 Sequence listing for submission.txt
Output Set: N:\CRF3\05132002\I887552A.raw

4 <110> APPLICANT: Brennan, Thomas J.
5 Leviten, Michael W.
7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CERBERUS GENE
8 DISRUPTIONS
10 <130> FILE REFERENCE: R-67
12 <140> CURRENT APPLICATION NUMBER: US 09/887,552A
C--> 13 <141> CURRENT FILING DATE: 2002-04-30
15 <150> PRIOR APPLICATION NUMBER: US 60/213,670
16 <151> PRIOR FILING DATE: 2000-06-21
18 <150> PRIOR APPLICATION NUMBER: US 60/266,046
19 <151> PRIOR FILING DATE: 2001-02-01
21 <150> PRIOR APPLICATION NUMBER: US 60/282,668
22 <151> PRIOR FILING DATE: 2001-04-09
24 <160> NUMBER OF SEQ ID NOS: 4
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

126 <210> SEQ ID NO: 4
127 <211> LENGTH: 200
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Targeting vector
134 <400> SEQUENCE: 4
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136 ggtatgcatt ctagaggta aaccaccagt ttgccagaca gggaggacag ctggacagct 120
137 aggacaaacg gcaaaataga aagagtctgg cgagagctcg ggccttgct agttccagat 180
138 tcagtcctt ggttattcat 200
E--> 142 (1)

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/887,552A

DATE: 05/13/2002

TIME: 16:48:27

Input Set : A:\R-67 Sequence listing for submission.txt
Output Set: N:\CRF3\05132002\I887552A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1200
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1260
L:142 M:254 E: No. of Bases conflict, this line has no nucleotides.